

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/542,161

Source: PG/10

Date Processed by STIC: 7/21/05

# ***ENTERED***



PCT

## RAW SEQUENCE LISTING

DATE: 07/21/2005

PATENT APPLICATION: US/10/542,161

TIME: 09:42:45

Input Set : A:\762922\_1.txt

Output Set: N:\CRF4\07212005\J542161.raw

3 <110> APPLICANT: Japan Science and Technology Agency  
 5 <120> TITLE OF INVENTION: TRANSCRIPTIONAL ACTIVATOR  
 7 <130> FILE REFERENCE: FS03-324PCT  
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/542,161  
 C--> 9 <141> CURRENT FILING DATE: 2005-07-14  
 9 <160> NUMBER OF SEQ ID NOS: 4  
 11 <170> SOFTWARE: PatentIn version 3.1  
 13 <210> SEQ ID NO: 1  
 14 <211> LENGTH: 473  
 15 <212> TYPE: PRT  
 16 <213> ORGANISM: Rattus norvegicus  
 18 <400> SEQUENCE: 1  
 20 Met Ser Asp Gly Asn Pro Glu Leu Leu Ser Thr Ser Gln Thr Tyr Asn  
 21 1 5 10 15  
 24 Ser Gln Gly Glu Ser Asn Glu Asp Tyr Glu Ile Pro Pro Ile Thr Pro  
 25 20 25 30  
 28 Pro Asn Leu Pro Glu Pro Ser Leu Leu His Leu Gly Asp His Glu Ala  
 29 35 40 45  
 32 Gly Tyr His Ser Leu Cys His Gly Leu Ala Pro Asn Gly Leu Leu Pro  
 33 50 55 60  
 36 Ala Tyr Ser Tyr Gln Ala Met Asp Leu Pro Ala Ile Met Val Ser Asn  
 37 65 70 75 80  
 40 Met Leu Ala Gln Asp Gly His Leu Leu Ser Gly Gln Leu Pro Thr Ile  
 41 85 90 95  
 44 Gln Glu Met Val His Ser Glu Val Ala Ala Tyr Asp Ser Gly Arg Pro  
 45 100 105 110  
 48 Gly Pro Leu Leu Gly Arg Pro Ala Met Leu Ala Ser His Met Ser Ala  
 49 115 120 125  
 52 Leu Ser Gln Ser Gln Leu Ile Ser Gln Met Gly Leu Arg Ser Gly Ile  
 53 130 135 140  
 56 Ala His Ser Ser Pro Ser Pro Pro Gly Ser Lys Ser Ala Thr Pro Ser  
 57 145 150 155 160  
 60 Pro Ser Ser Ser Thr Gln Glu Glu Glu Ser Asp Ala His Phe Lys Ile  
 61 165 170 175  
 64 Ser Gly Glu Lys Arg Pro Ser Thr Asp Pro Gly Lys Lys Ala Lys Asn  
 65 180 185 190  
 68 Pro Lys Lys Lys Lys Lys Lys Asp Pro Asn Glu Pro Gln Lys Pro Val  
 69 195 200 205  
 72 Ser Ala Tyr Ala Leu Phe Phe Arg Asp Thr Gln Ala Ala Ile Lys Gly  
 73 210 215 220  
 76 Gln Asn Pro Ser Ala Thr Phe Gly Asp Val Ser Lys Ile Val Ala Ser  
 77 225 230 235 240  
 80 Met Trp Asp Ser Leu Gly Glu Glu Gln Lys Gln Ala Tyr Lys Arg Lys

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81          245          250          255
84 Thr Glu Ala Ala Lys Lys Glu Tyr Leu Lys Ala Leu Ala Ala Tyr Arg
85          260          265          270
88 Ala Ser Leu Val Ser Lys Ser Pro Pro Asp Gln Gly Glu Ala Lys Asn
89          275          280          285
92 Ala Gln Ala Asn Pro Pro Ala Lys Met Leu Pro Pro Lys Gln Pro Met
93          290          295          300
96 Tyr Ala Met Pro Gly Leu Ala Ser Phe Leu Thr Pro Ser Asp Leu Gln
97 305          310          315          320
100 Ala Phe Arg Ser Ala Ala Ser Pro Ala Ser Leu Ala Arg Thr Leu Gly
101          325          330          335
104 Ser Lys Ala Leu Leu Pro Gly Leu Ser Thr Ser Pro Pro Pro Ser
105          340          345          350
108 Phe Pro Leu Ser Pro Ser Leu His Gln Gln Leu Pro Leu Pro Pro His
109          355          360          365
112 Ala Gln Gly Thr Leu Leu Ser Pro Pro Leu Ser Met Ser Pro Ala Pro
113          370          375          380
116 Gln Pro Pro Val Leu Pro Ala Pro Met Ala Leu Gln Val Gln Leu Ala
117 385          390          395          400
120 Met Ser Pro Ser Pro Pro Gly Pro Gln Asp Phe Pro His Ile Ser Asp
121          405          410          415
124 Phe Pro Ser Gly Ser Gly Ser Arg Ser Pro Gly Pro Ser Asn Pro Ser
125          420          425          430
128 Ser Ser Gly Asp Trp Asp Gly Ser Tyr Pro Ser Gly Glu Arg Gly Leu
129          435          440          445
132 Gly Thr Cys Arg Leu Cys Arg Ser Ser Pro Pro Pro Thr Thr Ser Pro
133          450          455          460
136 Lys Asn Leu Gln Glu Pro Ser Ala Arg
137 465          470
140 <210> SEQ ID NO: 2
141 <211> LENGTH: 1419
142 <212> TYPE: DNA
143 <213> ORGANISM: Rattus norvegicus
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150 ctgcacctgg gggaccacga agccgggttac cactcactgt gtcacggcct tgcgcccac      180
152 ggtctgctcc ccgcctactc gtaccaggca atggatctcc cggccatcat ggtgtccaac      240
154 atgctggccc aggatggcca cctgctgtca ggacagctgc ccacgatcca ggaaatggtc      300
156 cactcggagg tagctgccta tgactcaggc cggccagggc ccctgctggg ccgccctgcg      360
158 atgctggcca gccacatgag tgccctcagt caatcccagc tcatctccca gatgggcctc      420
160 cggagtggca ttgccacag ctccccatca cccccagga gcaagtcagc aaccccgctc      480
162 ccacccagct ccacccagga ggaggagtca gatgccatt tcaagatttc aggagagaag      540
164 agaccctcaa cagaccagga caaaaaggcc aaaaatccaa agaagaagaa gaagaaggat      600
166 cccaatgagc cacagaagcc agtgtcggcc tacgctctct tcttcagaga cactcaggct      660
168 gccatcaagg ggcagaaccc cagtgccacc tttggggatg tttccaaaat tgtggcctcc      720
170 atgtgggaca gcctgggaga agagcagaaa caggcgtata agaggaagac cgaagctgcc      780
172 aagaaggagt acctgaaagc cttggcggcc tacagagcta gcctcgtgtc caagagcccc      840
174 ccggaccaag gcgaggccaa gaacgctcag gcaaaccac cagccaaaat gcttcaccc      900

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176 aagcagccca tgtacgccat gcccgccctg gcttccttcc tgacgccctc cgacctgcag      960
178 gctttccgca ggcagccctc tcctgccagc ctgccagaa cgctgggctc caaggccctg      1020
180 ctgccaggcc tcagcacctc cccaccacca ccttccttcc ctctcagccc ctcttgcac      1080
182 cagcagctgc cactgccacc ccacgcgcag ggtaccctcc tcagcccgcc tctcagcatg      1140
184 tccccagccc cgcagcctcc tgtcctgcct. gcccccatgg cactccaggt gcagctggcg      1200
186 atgagccctc cgctccagg gccacaggac ttccacaca tctctgactt cccagtggc      1260
188 tctggctccc gctcacctgg cccatccaac cttccagca gcggggactg ggatgggagt      1320
190 taccacagtg gggagcgcgg cctcggcacc tgcagactct gcagaagcag cccaccgccc      1380
192 accaccagcc caaagaacct gcaggaacct tctgcccgc      1419
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196 <211> LENGTH: 21
197 <212> TYPE: DNA
198 <213> ORGANISM: Artificial sequence
200 <220> FEATURE:
201 <223> OTHER INFORMATION: primer
203 <400> SEQUENCE: 3
204 cccaatgagc cacagaagcc a      21
207 <210> SEQ ID NO: 4
208 <211> LENGTH: 20
209 <212> TYPE: DNA
210 <213> ORGANISM: Artificial sequence
212 <220> FEATURE:
213 <223> OTHER INFORMATION: primer
215 <400> SEQUENCE: 4
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**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/542,161

DATE: 07/21/2005

TIME: 09:42:46

Input Set : A:\762922\_1.txt

Output Set: N:\CRF4\07212005\J542161.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date